

What is claimed is:

1. A fork-lift reach truck having a driving portion and a mast portion wherein said driving portion has at least one steerable rear driving wheel driven by a drive motor, and a steering motor to steeringly operate said driving wheel, and two load-carrying front wheels which are rotatably supported in parallel-spaced wheel arms, electromagnetic braking devices for said load-carrying wheels, and a control device for controlling said drive motor, said steering motor, and said braking devices in dependence on the actuation of control elements in said fork-lift reach truck, characterized in that each load-carrying wheel (28) or a ring-shaped disc (60) mounted on said load-carrying wheel (28), laterally in a circumferential direction and at a uniform spacing, has teeth, elevations and/or slots or the like, and that said wheel arm (26) has fixed thereto a proximity sensor (64) which, upon rotation of said load-carrying wheel (28), in a speed-dependent way generates sensor pulses which are inputted to said control device.
2. The fork-lift reach truck according to claim 1, characterized in that said ring-shaped disc (60) is mounted on the inside of said load-carrying wheel (28).
3. The fork-lift reach truck according to claim 1, characterized in that said ring-shaped disc (60) is screwed, pasted or riveted to or pressed into said load-carrying wheel (28).
4. The fork-lift reach truck according to claim 1, characterized in that a ring-shaped brake magnet (52) is firmly attached to the inside of said wheel arm (26) and extends into the interior of said cup-shaped load-carrying wheel (28) and interacts with an axially movable brake disc (56) rotating along with said load-carrying wheel (28), and that the sensor disc (60) is mounted on the open side of

said load-carrying wheel (28) and radially faces inwards and overlaps the radial gap between said brake magnet (52) and said load-carrying wheel (28).

- 5 5. The fork-lift reach truck according to claim 1, characterized in that said wheel arms (26) have a longitudinal profile formed from a turned-over metal sheet and a support rail (40) at the inside of said longitudinal profile, an axle pivot pin (38) supporting said load-carrying wheel (28) is supported in said support rail (40) and a parallel-spaced metal sheet (42) of said longitudinal profile, and the proximity sensor (64) is fixed to the underside of said support rail (40) near the
10 free end of said wheel arm (26).
- 15 6. The fork-lift reach truck according to claim 5, characterized in that the side facing said driving portion (10), on said brake magnet (52), has mounted thereon a protective component (70) for a sensor cable (66) between said brake magnet (52) and said support rail (40) wherein said sensor cable (66) is guided in the wheel arm (26) up to said protective component (70) and, after said protective component (70), is guided to said underside of said support rail (40) and is mounted there.
- 20 7. The fork-lift reach truck according to claim 5, characterized in that said protective component (70) also guides a brake cable (98) for said brake magnet (52) that is led up inside said wheel arm (26).
- 25 8. The fork-lift reach truck according to claim 6, characterized in that said protective component (70) is integrally formed from a cut-to-size metal sheet with two superposed, spaced jaws (72, 74) which are fixed to said brake magnet (52) and bear against said support rail (40) so as to define a horizontal guide channel (76) for said brake cable (98) and a vertical guide channel (80) located transverse thereto for said brake cable (98) and said sensor cable (66).